

8570/11-507-S-01-0-00-XXX Art. No. 273899



- Different voltage ranges according to EN 60309
- Large temperature range of use
- High mechanical impact and shock resistance
- Perfect protection against penetration of liquids and dusts
- 3D data for download on the website
- Variants for use in USA/Canada available on request

MY R. STAHL 8570N



The R. STAHL 8570/11 series SolConeX sockets for Zone 1/21 in a 3-, 4- and 5-pole version have full AC-3 switching capacity up to 16 A. The high degree of protection IP66 ensures maximum protection against the ingress of dust and water in any application position. Self-cleaning lamellar contacts provide optimum contact and the plugs can be inserted and removed in the zero position quickly and easily. The load disconnect switch, with mechanical locking device and a handle that can be locked in the 0 or I position, is an additional safety feature.

Further product options available:

- Further voltage ranges according to EN 60309
- Silicone-free versions
- Ex e or Ex i auxiliary contacts for control and signalling purposes – can also be retrofitted
- With NAMUR resistor circuitry
- External earth connection
- Customer-specific label plates
- Plates also in stainless steel
- Additional entries – also in metal

Technical Data

Explosion Protection

Area of application	European Union (ATEX) IECEx
Area of application Note	Other country markings available on request
Application range (zones)	1, 2, 21, 22
IECEx gas certificate	IECEx PTB 05.0023
IECEx gas explosion protection	Ex db eb IIC T6 ... T5 Gb
IECEx dust certificate	IECEx PTB 05.0023
IECEx dust explosion protection	II tb IIIC T73 °C Db
ATEX gas certificate	PTB 03 ATEX 1227
ATEX gas explosion protection	 II 2 G Ex db eb IIC T6 ... T5 Gb
ATEX dust certificate	PTB 03 ATEX 1227
ATEX dust explosion protection	 II 2 D Ex tb IIIC T73 °C Db
Certificates	ATEX (PTB), Brazil (ULB), China (CQST), IECEx (PTB), India (PESO), Korea (KTL), Taiwan (ITRI)
Ship approval	DNV
Declaration of conformity	ATEX (EUK)

Electrical Data

Type of voltage	Low voltage
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Installation equipment

16 A wall-mounting socket

8570/11-507-S-01-0-00-XXX Art. No. 273899

Electrical Data

AC rated operational voltage	277/480 ... 288/500 V AC
Frequency	50 / 60 Hz
Rated operational current	16 A
Rated operational current 2	6 A
Rated operational current note	Usable for up to 20 A depending on the connection cross-section
Electrical service life	> 5x10 ³ switching cycles
Mechanical service life	> 5x10 ³ switching cycles
Utilisation category	AC-3: 690 V / 16 A AC-3: 500 V / 20 A DC-1: 110 V / 16 A UL508: 600 V / 20 A
Switching capacity main contacts	4 kW: 200 to 250 V AC 7.5 kW: 380 to 500 V AC 11 kW: 600 to 690 V AC

Device Specific Data

Back-up fuse with thermal protection	35 A gG
Back-up fuse without thermal protection	16 A gG

Ambient Conditions

Ambient temperature	-50 °C ... 35 °C -50 °C ... 65 °C
Ambient temperature note	For further information, see the operating instructions.

Mechanical Data

Degree of protection IP (IEC 60529)	IP66
IP degree of protection (IEC 60079)	IP64
Enclosure material	Polyamide, Glass fibre reinforced
Silicone-free	No
Solid connection cross-section	1 x 1.5 mm ² ... 2 x 6 mm ²
Connection cross-section AWG single stranded	1 x AWG 16 ... 2 x AWG 10
Finely stranded connection cross-section	1 x 1.5 mm ² ... 2 x 4 mm ²
Finely stranded connection cross-section AWG	1 x AWG 16 ... 2 x AWG 12
Detailed number of poles	3 P + N + PE
Width	115 mm
Width, inches	4.53 in
Height	180 mm
Height in inches	7.08 in
Length	247 mm
Length in inches	9.73 in
Impact strength (IEC 60079)	7 J
Impact strength (IEC 62262)	IK10
Colour code	Black
Coding (clock hour position)	7
Lockable in	in 0- and I-position
Interlock	Prevents the plug from being pulled under load
Series	SolConeX

Installation equipment
16 A wall-mounting socket



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Mechanical Data

Weight	1.45 kg
Weight	3.2 lb

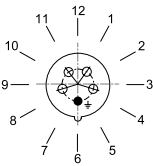
Mounting / Installation

Connection	Screw terminal
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Components

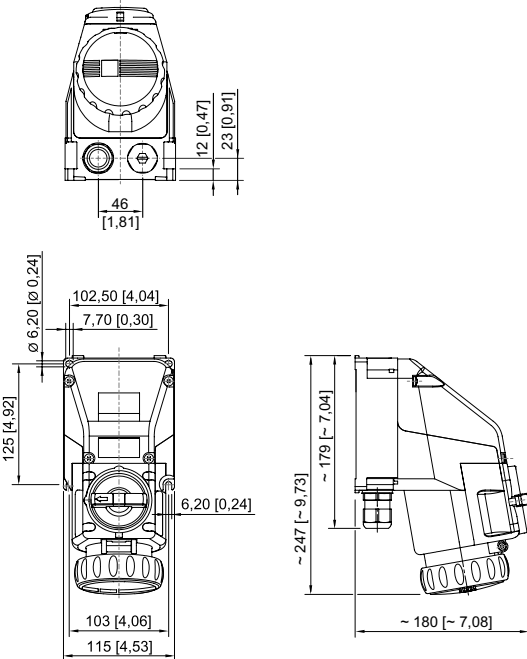
Cable entry note	Entry 1: Lower left Entry 2: Lower right
Entry 1 model	8161/7-M25-1707-LT
Entry 1 type	Polyamide cable gland
Entry 1	M25 x 1.5
Entry 1 clamping range	7 – 17 mm
Entry 1 clamping range, inch	0.28 – 0.67 in
Metal entry possible 1	No
Entry 2 model	8290/3-M25
Entry 2 type	Polyamide stopping plug
Entry 2	M25 x 1.5
Metal entry possible 2	No

Technical Drawings – Subject to Alterations



Position of clock hour position
Example: 6 h position

Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



4-pole/5-pole wall-mounting socket

Installation equipment

16 A wall-mounting socket

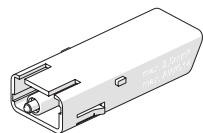
STAHL

8570/11-507-S-01-0-00-XXX Art. No. 273899

Accessories

Auxiliary contact optional, pluggable by the user, easy to retrofit

Art. No.



1 NC
Max. 500 V AC, max. 110 V DC
Max. 6 A
1 x 0.5 to 2 x 2.5 mm², solid/finely stranded

150680

1 NC, gold-plated contact
Max. 500 V AC, max. 110 V DC
Max. 6 A
1 x 0.5 to 2 x 2.5 mm², solid/finely stranded

150684

1 NO
Max. 500 V AC, max. 110 V DC
Max. 6 A
1 x 0.5 to 2 x 2.5 mm², solid/finely stranded

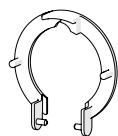
150682

1 NO, gold-plated contact
Max. 500 V AC, max. 110 V DC
Max. 6 A
1 x 0.5 to 2 x 2.5 mm², solid/finely stranded

150686

Dust cover for sockets, series 8570

Art. No.



Retrofittable dust protection for 5-pole sockets

255004

Plug

Art. No.



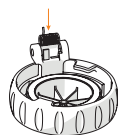
8570/12-507-S-XX-X-XX-XXX 5-pole plug, 277/480 to 288/500 V AC, 50/60 Hz, 16 A

272882

Spare Parts

Repair set for Series 8570 sockets

Art. No.



Repair set 8570 hinged cover, 5-pole, black

274109

We reserve the right to make alterations to the technical data, dimensions, weights, designs and products available without notice. The illustrations cannot be considered binding.